



# ecology and environment, inc.

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## M E M O R A N D U M

TO: John Osborn  
FROM: Peter Evers *PE*  
SUBJ: Groundwater Sampling at ARRCOM  
(Drexler Enterprises, Inc.)  
Rathdrum, Idaho  
DATE: 8/31/82  
REF: TDD 10-8208-03

### Introduction

In reponse to TDD 10-8208-03 the Field Investigation Team (FIT) sent two of its members (P. Evers and J. Betz) to Arrcom on August 25th. Arrcom had been scored using the Hazard Ranking System (HRS) previous to the visit; and it was found that an observed release at Arrcom would raise the score from 32.61 to 48.91.

Providing samples to document an observed release was the main objective of the trip to Arrcom. Additional objectives were to find a seasonal lake indicated on the quad map (see location map), to locate the nearest well and to take photographs of the leaking 45,000 gal. tank.

### Sampling

Prior to sampling, arrangements were made with the site owner, Mr. Warren Bingham (b) (6) to provide electricity to the pump on-site. Mr. Tom Drexler (b) (6) was also contacted for information about the well and the switches used in running the pump.

The downgradient well was the well on-site (see Site Plan and Key). It was sampled after allowing the system to purge. The system contains a 150 gal. tank as noted by Mr. Drexler. At a measured flow of 30 gal. per minute the system was purged after 5 minutes of pumping. The system was flushed for 12 more minutes as photographs were taken of the leaking tank.

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The upgradient well was at the residence of a Mr. Ted Day (208-687-1761). His well is the nearest well and it is located about 100 yards due north of Arrcom. The flow from the spigot was similar to that at Arrcom (some 30 gpm). It was allowed to run for 30 minutes as the seasonal lake was looked for.

No lake or wetland was found. Only a dried up and overgrown creek bed and a flat area were found where the creek and lake were indicated on the quad map.

Samples from the upgradient and downgradient wells were collected in lab cleaned 1/2 gallon bottles and 40 ml vials. Prior to collection, the outside of the bottles and the gloves were rinsed with sample water. Bottles were then flushed two times and samples were collected. Samples were stored on ice and shipped to the EPA Region X Laboratory using custody procedures. Analyses Requested were for the Priority Pollutant Organics and acetone.

#### Additional Information

The downgradient well is located south-southwest of the wastes (see Site Plan and Key). As the flow of ground water is predominately to the southwest, the downgradient sample might not show any contaminants should the plume be passing to the north of the well. Another well (placed on-site, 75 feet north of the present well) may provide an observed release should the present downgradient sample be free of contaminants.

#### Reference

U.S. Geological Survey (USGS), 1961, Rathdrum, Idaho. National Topographic Map Series.





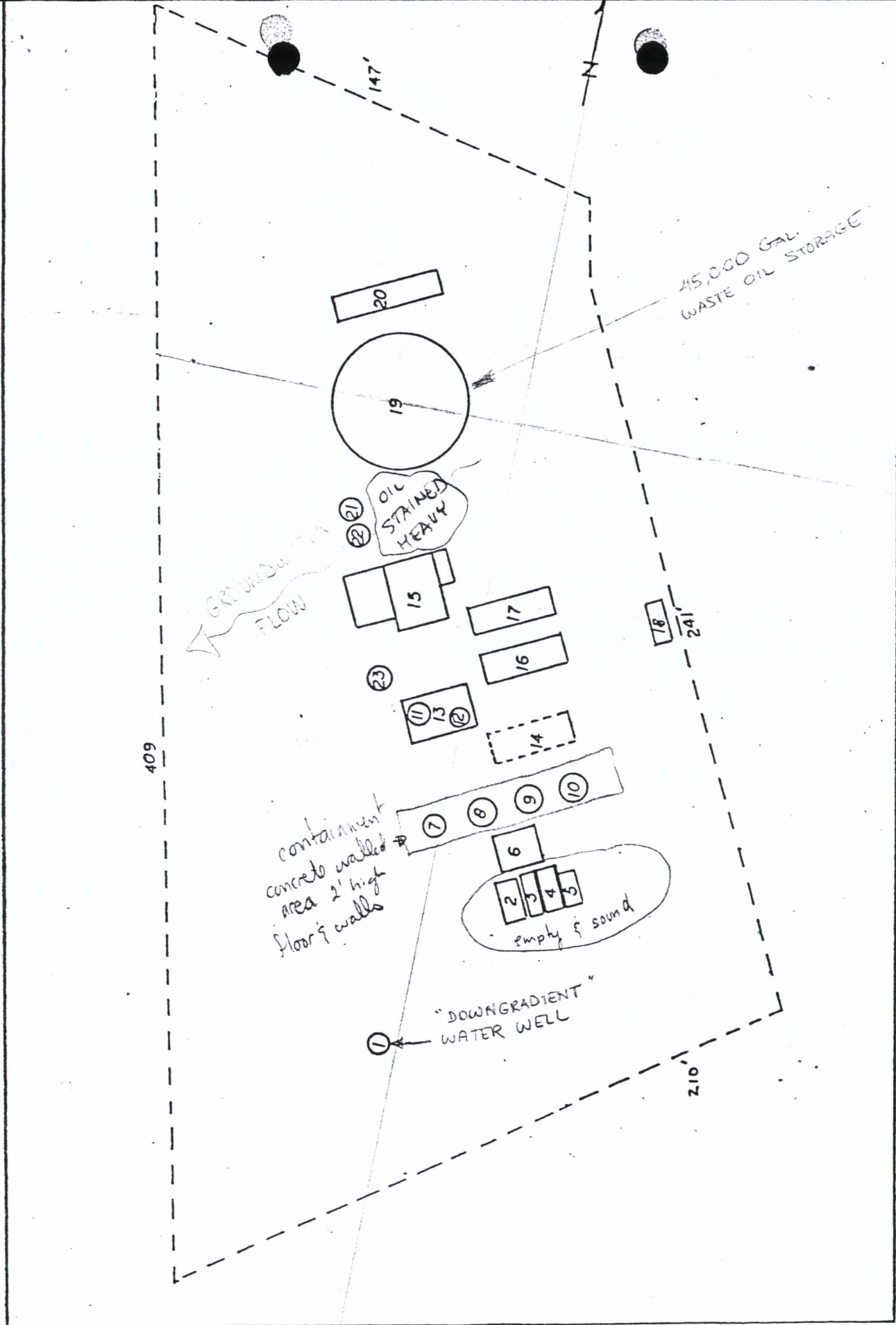


FIGURE 2  
SITE PLAN  
ARRCOM  
RATHDRUM, IDAHO



TABLE 1  
KEY FOR SITE PLAN  
ARRCOM  
RATHDRUM, IDAHO

1. Water well
2. T-48 2,000 Gal. Re-refined oil
3. T-23 1,000 Gal. Re-refined oil
4. T-24 1,000 Gal. Re-refined oil
5. T-11 550 Gal. Re-refined oil
6. Electrical storage
7. T-47 2,000 Gal. Water separator
8. T-145 6,000 Gal. Finished oil storage
9. T-120 5,000 Gal. Finished oil storage
10. T-119 5,000 Gal. Finished oil storage
11. T-28 1,200 Gal. Electric heater tank
12. 48" shaker
13. Shaker building
14. T-144 6,000 Gal. Underground finished oil
15. Boiler room with work shop
16. T-142 6,000 Gal. Heater tank with coils
17. T-143 6,000 Gal. Heater tank with coils
18. Truck loading rack
19. T-1071 45,000 Gal. Waste oil storage
20. T-238 10,000 Gal. Waste oil storage
21. U-1 1,200 Gal. Treatment tanks
22. U-2 1,200 Gal. Treatment tanks
23. T-71 3,000 Gal. Fuel storage

